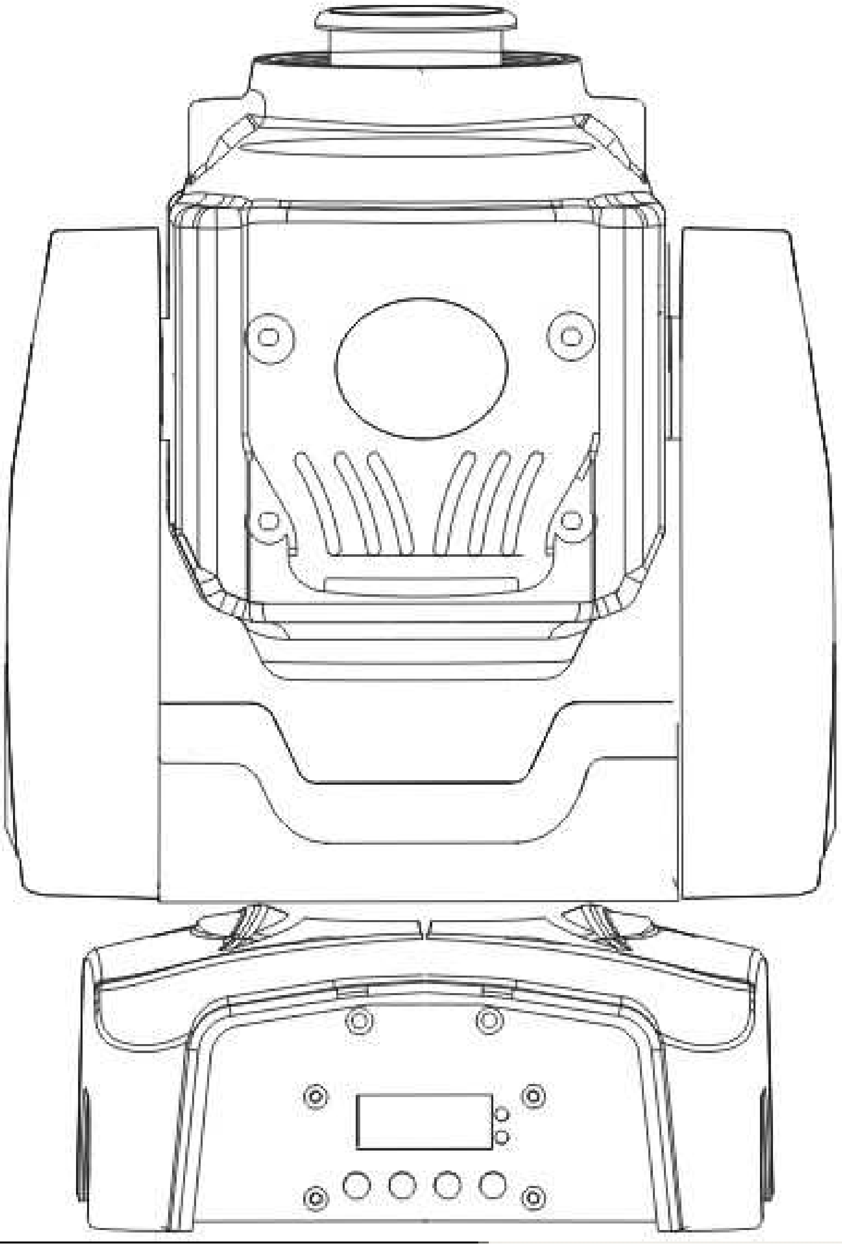
Mini Spot Moving Head

HS-LMS30



USER MANUAL

TABLE OF CONTENTS

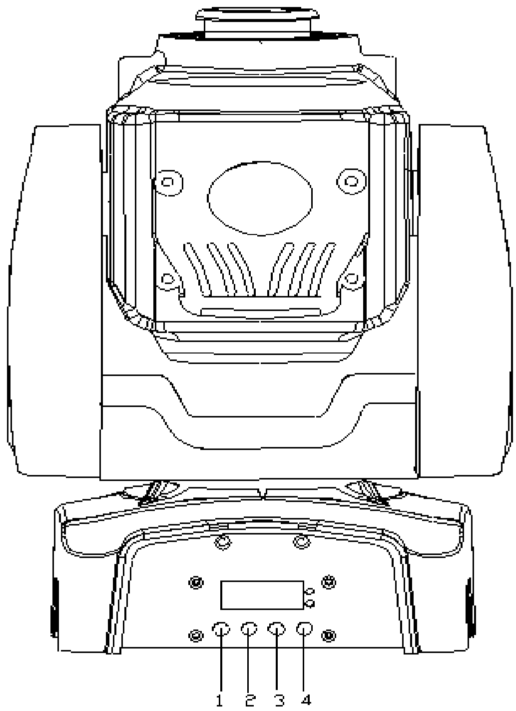
1 PRODUCT (GENERAL)

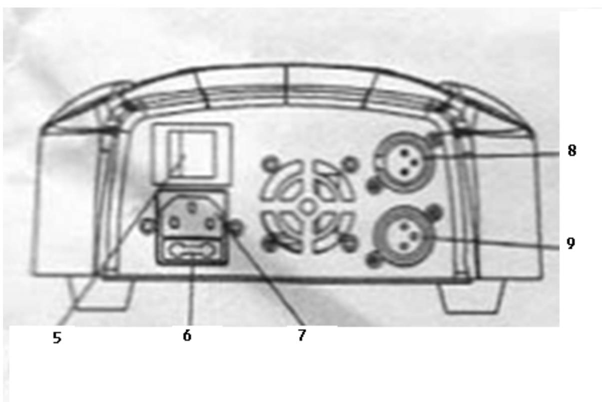
1.1 PRODUCT INTRODUCTION

This product is designed for indoor use only. Suitable for stage. Bar or nightclub applications. Direct input of DMX512 signal allows the fixtures to be controlled from any DMX512 controller. The fixture is fully programmable with one custom program available and is supplied with two automatic programs (all accessible from DMX512 controller).This product can be operated as a single unit or with multiple units for large applications.

1.2 PRODUCT OVERIEW

No	ITEM
1	MUNE/ESC
2	UP
3	DOWN
4	ENTER
5	DMX IN
6	FUSE
7	POWER IN
8	DMX IN
9	DMX OUT





1.3 TECHNICAL SPECIFICATIONS

Electrical

- Voltage:AC100-240V, 50/60Hz
- Rated Power:75W

LED

- LED:1PC(30W white)
- Cooling: Forced air convection

Optical System

- Focus: Manual linear focus
- Dimmer:0-100%
- Strobe:0-20Hz
- 3-facet Prism
- FOCUS

Operation

- Control mode:DMX512/Master-Slave/Auto/Custom/Sound
- LED display
- DMX512 CHS: 11 CHS/12CHS

Pan/Tilt

- Pan 630 Tilt270
- Pan/Tilt speed
- User-selectable Pan/ Tilt ranges
- Reverse Pan/Tilt movement

Rotating Gobo

- 7 Gobo(interchangeable)
- Gobo-flow effect
- Gobo shake
- Bi-directional rotation

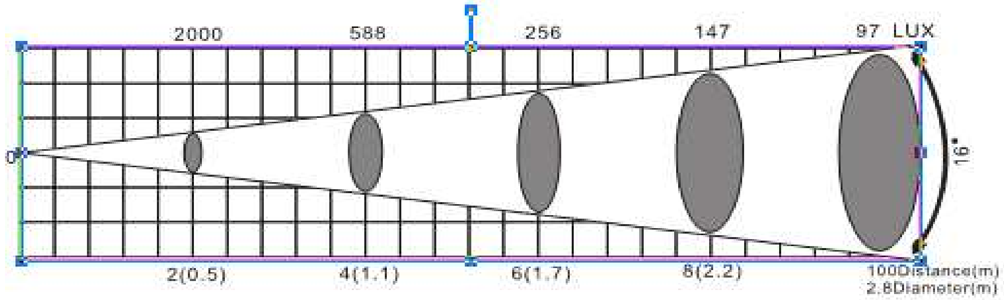
Color

- 9 dichroic -filters
- Rainbow-flow effect

Other features

- Custom program(255 steps)
- Size:240x200x354mm
- Weight:7kg

1.4 PHOTOMETRIC DATA



1.5 SAFETY WARNING

IMPORTANT

【ALWAYSREAD THEUSER MANUAL BEFORE OPERATION.】

【PLEASE CONFIRM THAT THE POWER SUPPLYSTATED ON THE RODUCT IS THE SAME AS THE MAINS POWER SUPPLT IN YOUR AREA. 】

- This product must be installed by a qualified professional.
- Always operate the equipment as described in the user manual.
- A minimum distance of 0.5m must be maintained between the equipment and combustible surface.
- The product must always be placed in a well ventilated area.
- Always make sure that the equipments installed securely.
- DO NOT stand close to the equipment and stare directly into the LED light source.
- Always disconnect the power supply before attempting and maintenance.
- Always make sure that the supporting structure is solid and can support the combined weight of the products.
- The earth wire must always be connected to the ground.
- Do not touch the power cables if your hands are wet.

ATTENTION

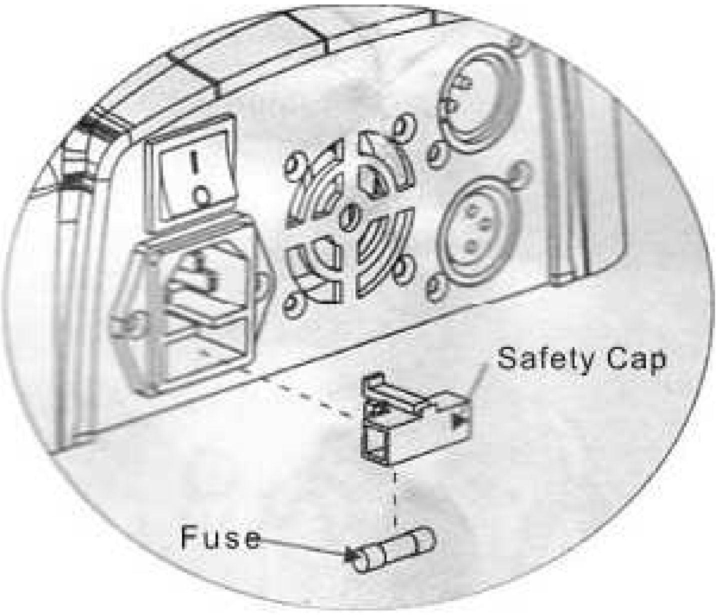
ATTENTION

- This product left the place of manufacture in perfect condition. In order to maintain this condition and for safe operation, the user must always follow the instructions and safety warnings described in this user manual.
- Avoid shaking or strong impacts to any part of the equipment.
- Make sure that all parts of the equipment are kept clean and free of dust.
- Always make sure that the power connections are connected correct and secure.
- If there is any malfunction of the equipment, contact your distributor immediately.
- When transferring the product, it is advisable to use the original packaging in which the product left the factory.
- Shields, lenses or ultraviolet screens shall be changed if they have becomed amaged to such an extent that their effectiveness is impaired.
- The lamp(LED) shall be changed if it has become damaged or thermal deformed

2 INSTALLATION

2.1 FUSE REPLACEMENT

- Remove the safety cap by a screwdriver.
- Fetch the old fuse from safety cap.
- Install a new fuse.
- Install the safety cap



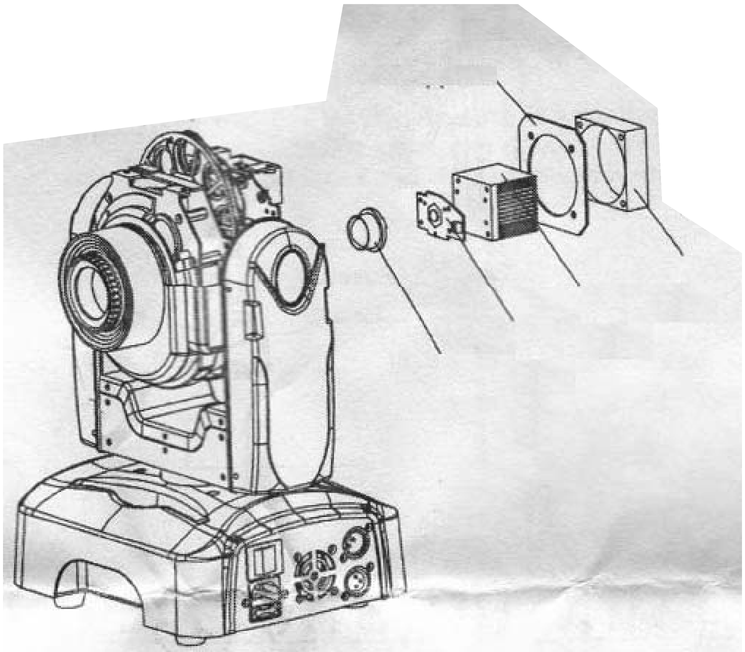
2.2 SETTING UP(STAND ALONE)

The LED fixture can be used as stand alone unit. The stand alone functions AUTO 1, AUTO 2, SOUND 1, SOUND2 and CUSTOM can be activated without the need to connect to any controller or connecting to any other equipment.

Simply, access the <operation>menu from the DISPLAY and select the target program to activate.

2.3 LED PCB PEPLACEMEMENT

- Take off the head cover.
- Remove the fan cover, fan, fan supports, heat sink step by step.
- Replace the new LED PCB.
- Install all parts on the original position.



2.4 SETTING UP(MASTER/SLAVE)

When units are connected in series using DMX512 signal cable connect the units as shown in the diagram below.

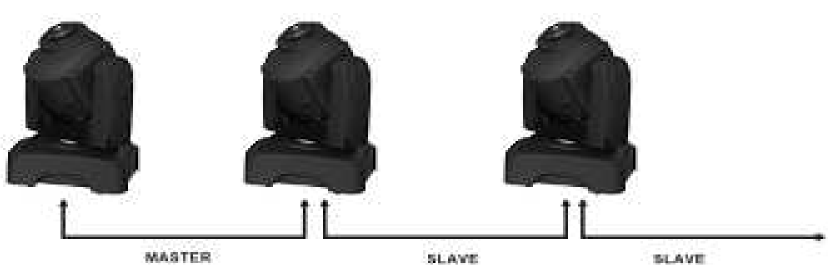
Connect the (male) 3 pin connector side of the DMX cable to the output (female) 3 pin connector of the first(MASTER) fixture.

Connect the end of the cable coming from the MASTER fixture which will have a (female) 3pin connector to the input connector of the next fixture consisting of a (male) 3 pin connector.

Then proceed to connect from the output as stated above to the input of the following fixture and soon.

Set the first unit in the series to one of the STAND ALONE modes as described in section2.2

All other units in the series should be set to <SLAVE>from the <operation>menu.



2.5 SETTING UP (DMX512 CONTROLLER)

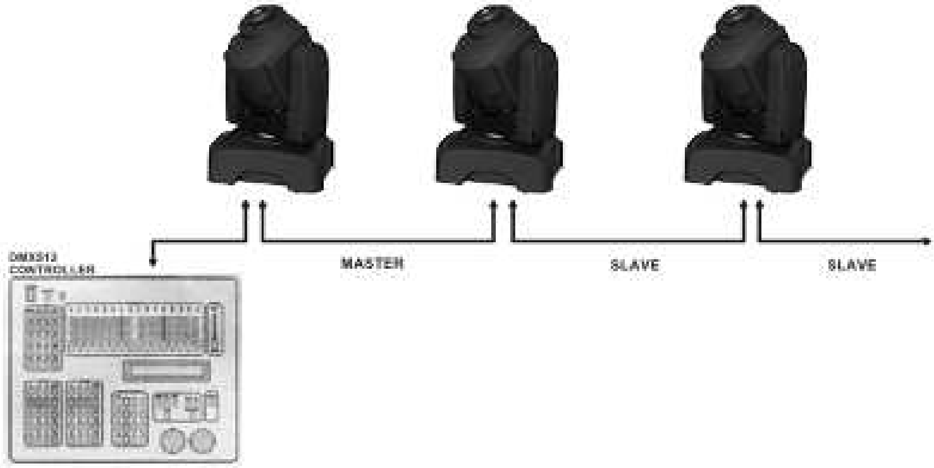
When units are connected in series to a DMX512 controller and other DMX512 equipment, connect the equipment as shown in the diagram below.

Connect the (male) 3 pin connector side of the DMX cable to the output (female) 3 pin connector of the controller.

Connect the end of the cable coming from the controller which will have a (female) 3 pin connector to the input connector of the next fixture consisting of a(male) 3 pin connector.

Then proceed to connect from the output as stated above to the input of the following fixture and so on.

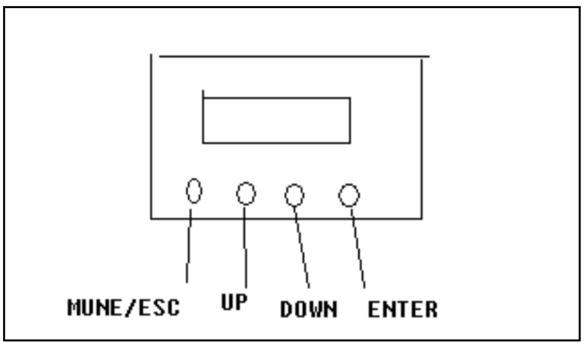
If over 32pcs fixtures connected ,the amplifier is needed.



3 DISPLAY PANEL OPERATION

3.1 BASIC

The LED fixture is mounted with a LCD display and 4 control buttons.



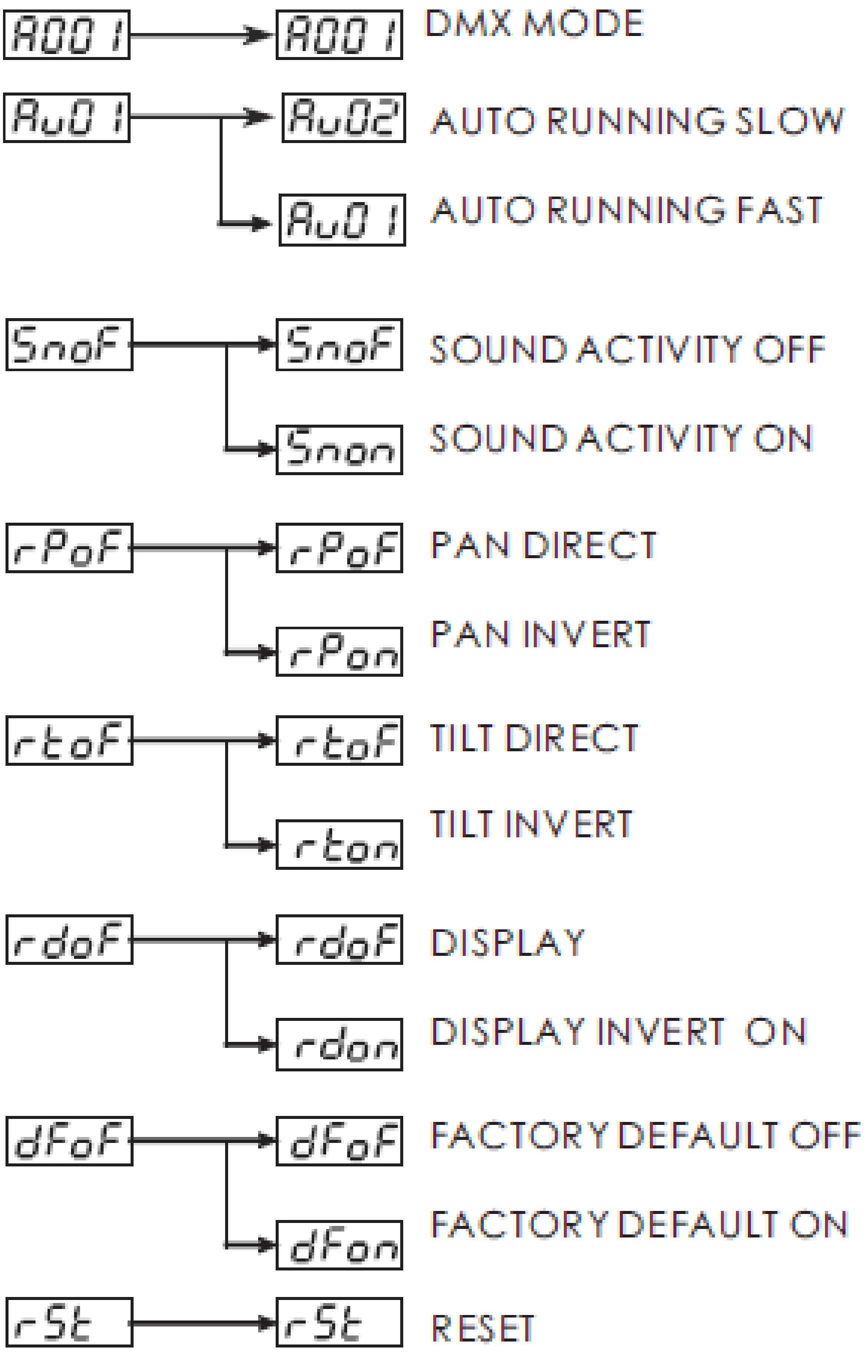
MENU Scroll through the main menu or exit from the current sub-menu

ENTER the currently selected menu or confirm the current function value Scroll

DOWN through the menu list or decrease the value of the current function value Scroll

UP through the menu list or increase the value of the current function

3.2 MENU


A001
A001
DMX MODE
Au01
Au02
AUTO RUNNING SLOW
Au01
AUTO RUNNING FAST
SnoF
SnoF
SOUND ACTIVITY OFF
Snon
SOUND ACTIVITY ON
rPoF
rPoF
PAN DIRECT
rPon
PAN INVERT
rtoF
rtoF
TILT DIRECT
rton
TILT INVERT
rdoF
rdoF
DISPLAY
rdon
DISPLAY INVERT ON
dFoF
dFoF
FACTORY DEFAULT OFF
dFon
FACTORY DEFAULT ON
rSt
rSt
RESET

4. DMX CHANNEL PROTOCOL

Channels	DMX	Control Content Description
CH1	000-255	PAN MOVEMENT
CH2	000-255	TILT MOVEMENT
CH3	000-255	PAN/TILT SPEED
CH4 COLOR	000-014	WHITE
	015-027	COLOR 1
	028-042	COLOR 2
	043-054	COLOR 3
	055-068	COLOR 4
	069-082	COLOR 5
	083-097	COLOR 6
	098-110	COLOR 7
	111-121	COLOR 8
	122-127	COLOR 9
	128-192	WHOLE WHEEL FORWARD F-S
	193-255	WHEEL BACKWARD S-F
CH5 GOBO	000-018	WHITE
	019-037	GOBO 1
	038-056	GOBO 2
	057-075	GOBO 3
	076-093	GOBO 4
	094-113	GOBO 5
	114-132	GOBO 6
	133-144	GOBO 7
	145-208	WHOLE WHEEL FORWARD F-S
	209-255	WHEEL BACKWARD S-F
CH6 GOBO ROTATION	000-011	NOT ROTATION
	012-130	F-S
	131-255	S-F
CH7 STROBOFLASH	000-011	WHITE
	012-030	RESET AFTER 10 SECOND
	031-250	SHUTTER S-F WHITE
	251-255	WHITE
CH8 DIMMING	000-255	LINEA DIMMING
CH9:	000-255	X 16bit
CH10:	000-255	Y 16bit
CH11 PRISM	000-255	OPEN
CH12 FOCUS	000-255	LINEAR FOCUS

5.APPENDIX

Technical Specification

WEIGHT&DIMENSIONS

Length..250mm
Width..240mm
Height...390mm
Packing size.. 410x330x280mm
Net weight..6kgs
Gross weight 7.3kgs

POWER

Powersettings..220V50Hz/60Hz
Fuse..2A220V
Consumption...80W

LIGHT SOURCE

1 X 30W WHITE............................
COLOR..
LAMP LIFE: 50,000Hrs

CONTROL & PROGRAMMING

Data output..locking3-pinXLRmalesocket
Datainput..locking3-pinXLRfemalesocket
Protocols...DMX-512
DMX channels...12

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